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EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY
WASHINGTON, D.C. 20506

August 4, 1970

MEMORANDUM FOR

ARGO Steering Committee

SUBJECT: National Disaster Support Task Group Report -- Classified Annex

The final draft of the unclassified Task Group Report was forwarded to you August 3, 1970 under separate cover.

The attached annex describes the supplemental resources and tasking channels for these resources, which are available to support national disaster assessment of damage and recovery planning.

It is requested that this annex be returned to OST on August 14, 1970 with your comments.

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Chairman
ARGO Steering Committee

Attachment

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This document consists of 1 pages
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T - KH ANNEX

To The

REPORT BY THE NATIONAL DISASTER SUPPORT TASK GROUP

This Annex shall be handled in accordance with the established procedures and constraints of the TALENT- KEYHOLE SYSTEM. All copies shall be under the control of the CIA Special Security Center, which will insure that copies will be made available at designated secure areas to appropriate individuals on a "must-know" basis.

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I. PLATFORMS AND SENSORS

U.S. AIR FORCE RESOURCES (SECRET)

The U.S. Air Force operates a variety of reconnaissance aircraft which would be suitable for the acquisition of both pre-disaster data base and post-disaster evaluation photography.

1. PLATFORM - U-2R-1 (Strategic Air Command)

Sensors:

a. A-2 Camera System

Type - 3 fixed-frame cameras, 24" F.L.
Coverage - 1,975 linear NM
Swath - 36 NM
Scale - 1:35,000

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b. B Camera System

Type - 1 Rocker Frame Camera, 36 " F.L.
Coverage - 1,804 - 2,993 linear NM
Swath - 20 NM, 45 NM, Horizon-to-Horizon
Scale - 1:23,300

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c. H Camera System

Type - Variable Oblique Frame Camera, 66" F.L.
Coverage - 228 to 1,373 linear NM
Swath - 0.8 to 2.6 NM
Scale - 1:12,800

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d. Delta III Camera System

Type - Twin Panoramic, 24" F.L.
Coverage - 1,855 - 2,900 linear NM
Swath - 16 NM
Scale - 1,35,000

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e. IRIS II Camera System

Type - 1 Panoramic Camera, 24" F.L.
Coverage - 2,100 linear NM (Stereo), 3,600 linear NM (Mono)
Swath - 60-70 NM
Scale - 1:35,000

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2. PLATFORM - RF-4C (Tactical Air Command) (to 40,000 feet)

Sensors:

a. KA-55 Panoramic Camera, 12" F.L., 90° Swath

b. KS-72 Vertical Frame Camera, 18" F.L., 5" Format

c. T-11 Mapping Camera, 6" F.L., 9" x 9" Format

d.

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I. PLATFORMS AND SENSORS (cont'd)

NATIONAL RESOURCES (TOP SECRET TKH)

Certain aerial reconnaissance systems, both aircraft and satellite, are operated as national assets by the National Reconnaissance Office.

The satellite systems are not particularly amenable to quick response post-disaster photographic coverage since they are not continuously in orbit, are constrained by the existing weather conditions over a given area, and are subject to the delays associated with the fixed number of times film may be returned during a mission. By means of programmed acquisition over a period of time, however, satellite systems can provide a very useful pre-disaster data base against which post-disaster coverage would be compared.

1. PLATFORM - U-2R-1

Sensors: The sensor capability is essentially the same as that of the U.S. Air Force U-2 described in the foregoing PLATFORM section, with the exception that the A-2 Camera System has been retired and the B Camera System is in flyable storage and not generally available.

2. PLATFORM - SR-71

Sensors:

a. Technical Objective Camera System

Type - Twin Rocker Frame Cameras
Coverage - 2,000 to 14,000 sq NM
Swath - 2.51 to 34 nm
Scale - 1:20,000
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Frame Size - 9" x 9"

b. Operational Objective Camera System

Type - Panoramic Camera
Coverage - 26,000 - 92,000 sq NM
Swath - 22 NM
Scale - 1:74,000
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Frame Size - 2" x 10.35"

c. Terrain Objective Camera System

Type - Vertical Frame Camera
Coverage - 275,000 sq NM
Swath - 21 NM
Scale - 1:160,000
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Frame Size - 9" x 9"

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3. PLATFORM KH-4 (Satellite)

Sensors:

a. Search Camera System

Type - Twin Convergent Panoramic
Coverage - 3.8 to 6.0 Million Sq NM (Stereo)
5.0 to 7.8 Million Sq NM (Stereo and Mono)
Swath 146 NM
Scale - 1:304,000
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Frame Size - 2.15" x 29.3"

b. Stellar-Index Camera

Type - Triple Metric Frame Camera with 1 Terrain and 2 Stellar Lenses, 3" F.L.
Coverage - 22,700 Sq NM/Frame x 2,200 Frames at 74% overlap
Swath - 150 NM
Scale - 1:2,432,000
Frame Size - 4.5" x 4.5"

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II. TASKING CHANNELS

1. NATIONAL RECONNAISSANCE PROGRAM

There are two tasking channels which will be used when making requests on the NRP. Pre-disaster photographic coverage requests which are amenable to satellite coverage will be submitted through the Chairman of the ARGO Steering Committee to the Chairman of the Committee for Imagery Requirements and Exploitation (COMIREX).

Pre- and post-disaster aircraft photographic coverage requests and related film processing requests will be submitted through the Chairman of the ARGO Steering Committee to the Director of the National Reconnaissance Office (NRO). The Chairman of the ARGO Steering Committee will advise the Chairman of COMIREX of such requests.

2. NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER (NPIC)

Any substantial requests for NPIC support as defined by the Director of NPIC must be submitted to the Director of Central Intelligence (or his designated representative).

III. PHOTOGRAPHIC PROCESSING CAPABILITIES

1. U.S. Naval Reconnaissance and Technical Support Center (NRTSC)

Original Negative (ON) processing -- 35 mm to 9½"
Duplicate (Dup) processing -- 70 mm to 9½" width
Duplicate (Dup) capability for B & W and color

2. SPPF (Westover, Mass.)

Original (ON) processing -- 70 mm to 9½" width
Duplicate (Dup) processing -- 70 mm to 9½" width
Can process color original negatives and duplicates

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3. U.S. Army Topographic Command (TOPOCOM)

Duplicate processing -- 70 mm to 9½" width
Rectification
Enlargement capability
Very limited color processing

4. National Photographic Interpretation Center (NPIC)

Enlargement and rectification capability
Can process color and B & W
Limited duplicating capability -- most logical use of NPIC would be for technical support, special projects, and possibly making of "spectaculars"

- Only TOPOCOM
- substitute "mensuration"

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